



PATENT
Attorney Docket No.: CIT1620-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hiroaki Shizuya Art Unit: 1632
Application No.: 10/659,034 Examiner: Not Yet Assigned
Filed: September 9, 2003
Title: METHODS AND COMPOSITIONS FOR THE GENERATION OF HUMANIZED MICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL SHEET

Sir:

Transmitted herewith for the above-identified application, please find:

1. An Information Disclosure Statement (2 pages);
2. Form PTO-1449 (2 pages);
3. Ten References;
4. International Search report (4 pages); and
5. Return postcard.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on May 6, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A handwritten signature in black ink, which appears to read "Karen LePari".

Karen LePari

In re Application of:
Hiroaki Shizuya
Application No.: 10/659,034
Filing Date: September 9, 2003
Page 2

PATENT
Atty. Docket No.: CIT1620-1

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement as the items of information contained in this statement were cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated February 10, 2004, which is not more than three months prior to the filing of this statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. 50-1355.

Respectfully submitted,

Date: May 6, 2004



Lisa A. Haile, J.D., Ph.D.
Registration No.: 38,347
Telephone: (858) 677-1456
Facsimile: (858) 677-1465

GRAY CARY WARE & FREIDENRICH LLP
4365 Executive Drive, Suite 1100
San Diego, California 92121-2133
USPTO Customer Number 28213



PATENT
Attorney Docket No.: CIT1620-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hiroaki Shizuya Art Unit: 1632
Application No.: 10/659,034 Examiner: Not Yet Assigned
Filed: September 9, 2003
Title: METHODS AND COMPOSITIONS FOR THE GENERATION OF HUMANIZED MICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. Additional references, not cited on the communication, have also been included. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and copies are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on May 6, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

A handwritten signature in black ink, appearing to read "Karen LePari".

Karen LePari

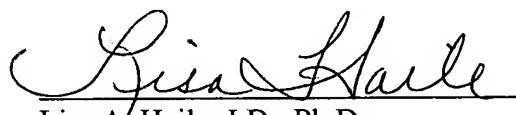
In re Application of:
Hiroaki Shizuya
Application No.: 10/659,034
Filing Date: September 9, 2003
Page 2

PATENT
Atty. Docket No.: CIT1620-1

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement as the items of information contained in this statement were cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated February 10, 2004, which is not more than three months prior to the filing of this statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. 50-1355.

Respectfully submitted,

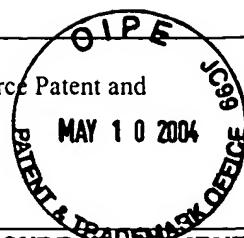
Date: May 6, 2004



Lisa A. Haile, J.D., Ph.D.
Registration No.: 38,347
Telephone: (858) 677-1456
Facsimile: (858) 677-1465

GRAY CARY WARE & FREIDENRICH LLP
4365 Executive Drive, Suite 1100
San Diego, California 92121-2133
USPTO Customer Number 28213

FORM PTO-1449
U.S. Department of Commerce Patent and
Trademark Office



Docket No.
CIT1620-1

Serial No.:
10/659,034

Applicant: Hiroaki Shizuya

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Filing Date:
September 9, 2003

Group Art Unit:
1632

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
	AA	WO 01/11951 A1*	02/22/01	PCT			
	AB	*also published as: EP1 206 906 A1	05/22/02	EP			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

	AC	Asselbergs, Fred A.M. et al., "Position-independent expression of a human nerve growth factor-luciferase reporter gene cloned on a yeast artificial chromosome vector", <i>Nucleic Acids Research</i> , Vol. 26, No. 7, pp. 1826-1833, 1998.
	AD	Feng, Dong-Xiao et al, "The expression of human α -like globin genes in transgenic mice mediated by bacterial artificial chromosome, <i>PNAS</i> , Vol. 98, No. 27, pp. 15073-15077, 2001.
	AE	Jones, Stacey A. et al., "The Pregnane X Receptor: A Promiscuous Xenobiotic Receptor That Has Diverged during Evolution", <i>Molecular Endocrinology</i> , Vol. 14, No. 1, pp. 27-39, 2000.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Docket No. CIT1620-1	Serial No.: 10/659,034
Applicant: Hiroaki Shizuya			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date: September 9, 2003	Group Art Unit: 1632

	AF	Lehmann, Jurgen M. et al., "The Human Orphan Nucelar Receptor PXR is Activated by Compunds That Regulate <i>CYP3A4</i> Gene Expression and Cause Drug Interactions", <i>The American Society for Clinical Investigation, Inc.</i> , Vol. 102, No. 5, pp. 1016-1023, 1998.
	AG	Nielsen, Lars B. et al., "Human Apolipoprotein B Transgenic Mice Generated with 207- and 145-Kilobase Pair Bacterial Artificial Chromosomes", <i>The Journal of Biological Chemistry</i> , Vol. 272, No. 47, pp. 29752-29758, 1997.
	AH	Shizuya, Hiroaki et al., "Cloning and stble maintenance of 300-kilobase-pair fragments of human DNA in <i>Escherichia coli</i> using an F-factor-based vector", <i>Proc. Natl. Acad. Sci.</i> , Vol. 89, pp. 8794-8797, 1992.
	AI	Xie, Wen et al., "Humanized xenobiotic response in mice expressing nuclear receptor SXR", <i>Nature</i> , Vol. 406, pp. 435-439, 2000.
	AJ	Wie, Wen and Ronald M. Evans, "Orphan Nuclear Receptors: The Exotics of Xenobiotics", <i>The Journal of Biological Chemistry</i> , Vol. 276, No. 41, pp. 33739-37742, 2001.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.